



FIG. 1

PF4 (SEQ ID NO:2): ⁴⁷NGRRICLDLQAPLYKKI IKKLLS⁷⁰

IL-8 (SEQ ID NO:3): ⁴⁶GRELCCLDPKENWVQRVVEKFLKRAENS⁷²

ATI III (SEQ ID NO:4): ¹¹⁸QIHFFFAKLNCRLYRKANKSSKLV SANRLF GDKS¹⁵¹

ApoE (SEQ ID NO:5): ¹³²ELRVRLASHLRKLRKRLLRDADDLQKRLAVYQAG¹⁶⁵

AAMP (SEQ ID NO:6): ¹⁴RRLRRMESESES²⁵

Ampiregulin (SEQ ID NO:7): ²⁵KRKKKGGKNGKNTTNTKKKNP⁴⁵

FIG. 2

Substrate Specificity of Bacteria and Fungal Sialidases

Substrates	Sialidase activity [*]					
	Vibrio Cholerae	Clostridium perfringens (71Kd)	Clostridium perfringens (43Kd)	Arthrobacter ureofaciens	Salmonella typhimurium	Actinomyces viscosus
Oligo- and polysaccharides						
II ³ Neu5AcLac	100	100	100	100	100	100
II ⁶ Neu5AcLac	53	44	19	157	0.4	462
Colominic acid (α 2-8)	30	33	4.0	63	0.1	300
Glycoproteins						
Fetuin (α 2-3> α 2-6)	340	272	6.6	59	17	---
α 1-Acid glycoprotein (α 2-6> α 2-3)	1000	555	---	---	---	761
Submandibular gland mucin (α 2-6)	400	139	5.1	---	---	123
Submaxillary gland mucin (α 2-6)	---	---	---	56	---	---
Gangliosides						
Gangliosides mixtures Synthetic	(360)	(350)	1.6	78	34	285
4MU-Neu5Ac	1580	605	58	---	1050	---

* Each value represents a relative sialidase activity when the activity directed toward II³Neu5AcLac is regard as 100.

FIG.4